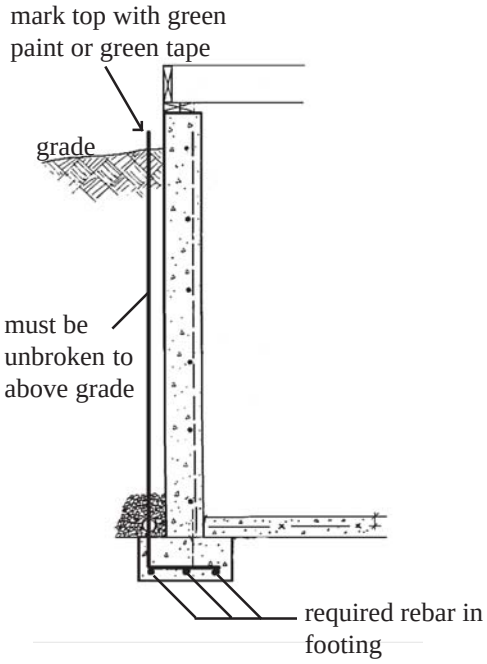
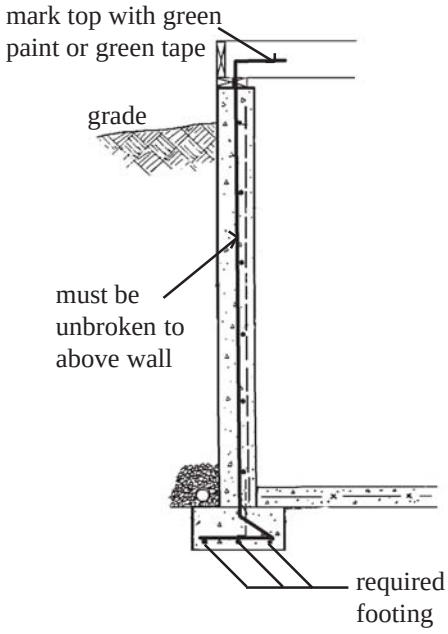
ATTENTION ALL CONTRACTORS: January 1, 2006

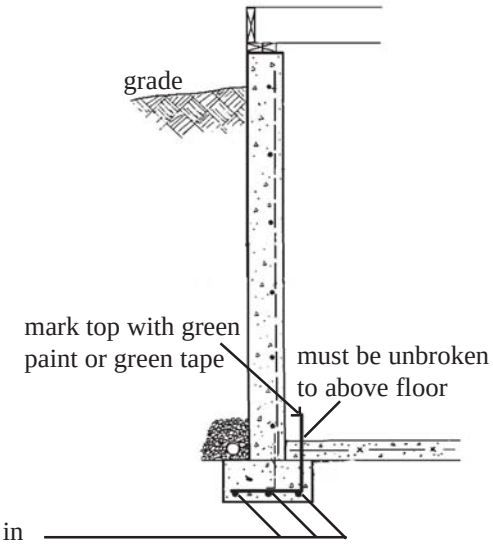
RE: Grounding on new buildings

The 2005 National Electrical Code requires **grounding to the rebar in footings** of all new buildings, residential and commercial, or installing a separate ground wire, #4 minimum 20 feet long, in the footing. This is in addition to the ground rod required. The following guidelines have been established to strive for consistency in achieving this requirement. The company that is installing the rebar in the footing is to add one more rebar that attaches diagonally to the other rebar and is ran unbroken in one of the following ways:

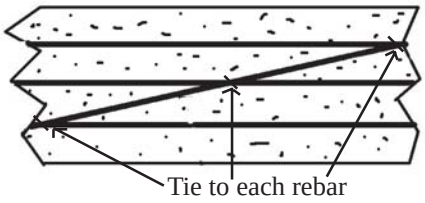
1) exterior to the concrete wall, to above the finished grade line
2) enclosed in the wall to a minimum of 12 inches above the finished concrete wall
3) inside the building or structure a minimum of 4 inches above the finished floor line.





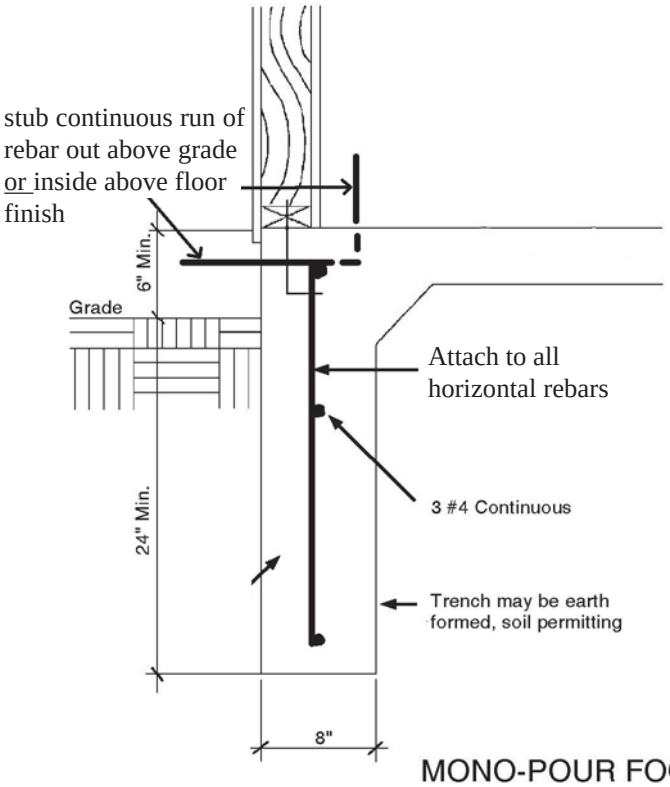


View looking down into footing



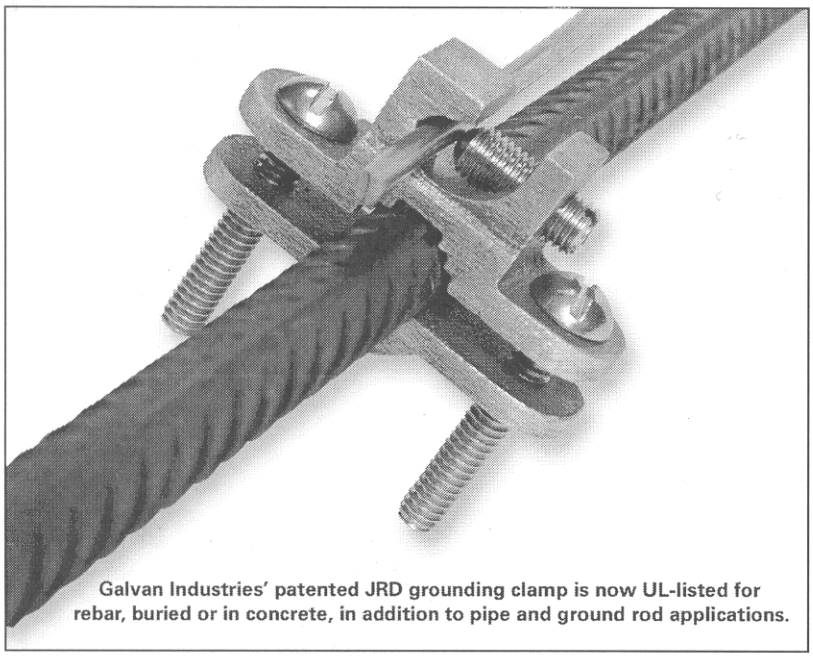
The exposed end of this rebar is to be identified, at time of installation, by green paint or green tape.

The electrical contractor will then attach his grounding conductor to the rebar with an approved clamp.



MONO-POUR FOOTING

Samples of approved clamps for rebar

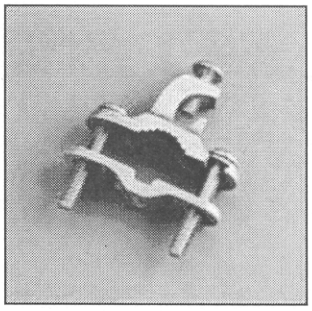


Galvan Industries' patented JRD grounding clamp is now UL-listed for rebar, buried or in concrete, in addition to pipe and ground rod applications.

ERICO®

EK16/EK17 Direct Burial Ground Clamp

ERITECH®



The new EK16 and EK17 Direct-Burial Ground Clamp from ERICO® is a time-saving, cost-effective versatile product that combines four clamps into one. This unique bronze-alloy grounding clamp with bronze screws consolidates separate rebar clamps, ground rod clamps, water pipe clamps and direct-burial water pipe clamps into one product, enabling contractors to save room on their trucks and distributors to save room on their shelves.

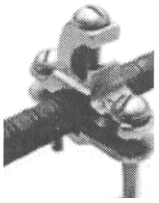
The UL®-listed product can be used with rebar, water pipes and ground rods. The clamp cuts installation time by allowing the contractor to pre-set the clamp on a piece of rebar or water pipe. After all of the clamps have been set, the ground conductor can then be installed using the clamp's unique "lay-in" feature. Rather than threading the ground wire through a hole to make a continuous loop, the contractor can simply lay the conductor in the channel and tighten the setscrew without any time-consuming threading.

BRIDGEPORT
QUALITY CONDUIT & CABLE FITTINGS

Integral cast, lay-in lug style direct burial ground clamps are for making connection with #10AWG solid to #2 AWG stranded copper wire to 1/2" to 1" ground water pipe or 3/8" to 1" rebar.

Clamps meet both UL and NEC requirements for burial in earth or embedment in concrete. Typical installations include swimming pool and service grounding.

All components are bronze material containing minimum of 80% copper.



2005 NEC Compliance